



# Maplewood Mall Stormwater Retrofit Phase 4



## Clean Water Funds: 2012

Clean Water Grant	\$625,000
Leveraged Funds*	\$1,515,000
Total Project Budget	\$2,140,000

\* Leveraged Funds include

### Targeted Water:

Kohlman Lake (DNR ID 62-0006)

### Project Sponsor:

Ramsey-Washington Metro Watershed District

### Grant Period:

January 2012—December 2014

### Project Contact:

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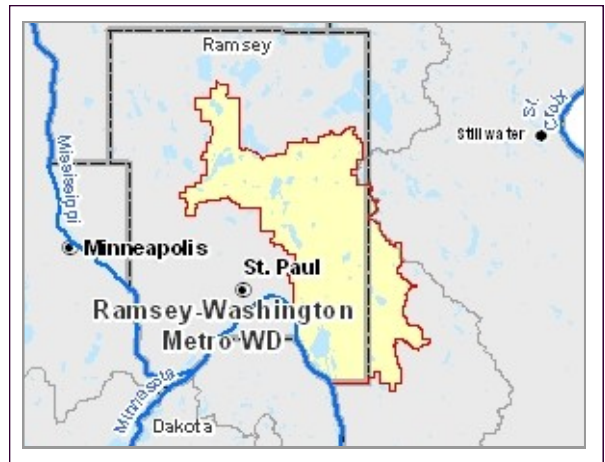


C12-95 - Clean Water Assistance

## Project Narrative

The Kohlman Lake nutrient reduction study identified a major source of phosphorus loading from the impervious areas like roads, roofs and parking lots within the watershed.. Within this area, one major land use feature stands out - Maplewood Mall. Retrofitting the Mall parking areas to infiltrate at least one inch of stormwater runoff will result in a large reduction in phosphorus to Kohlman Creek and the lake.

This project is a continuation of the 2010 Maplewood Mall Phase II project. This fourth and final phase will include infiltration features such as trees planted in rock trenches, porous pavement and rainwater gardens.



## Proposed Outcomes:

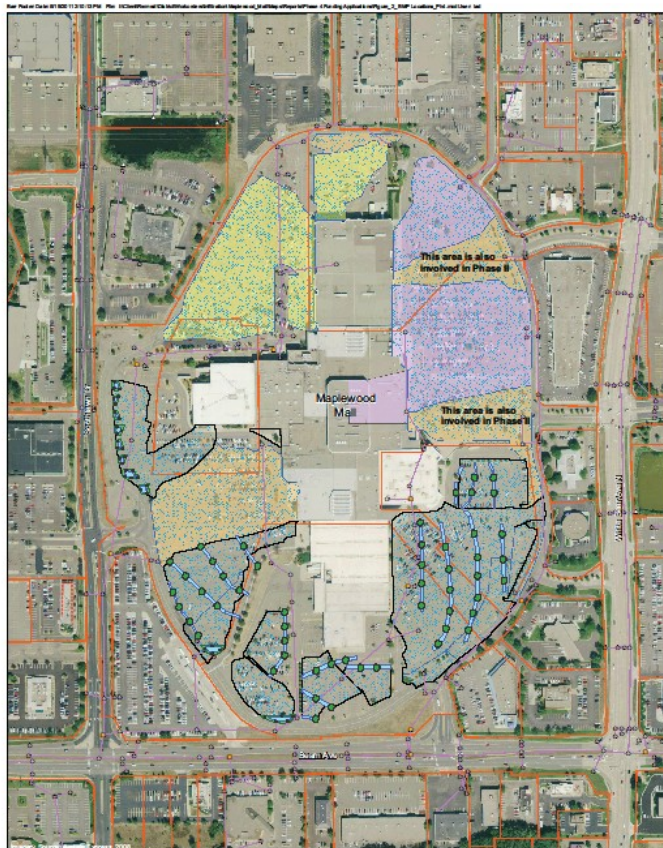
Installation of tree trenches, rainwater gardens and entrance stormwater features throughout the southern half of Maplewood Mall's parking lot. - Kohlman Lake (DNR ID 62-0006)

Proposed Reductions: Reduction of 30 to 40 lbs/year Phosphorus

## Actual Outcomes:

Project in Progress

# Maplewood Mall Stormwater Retrofit Phase 4



- Legend**
- Phase 4 Trees
  - Phase 4 Stormwater Trenches
  - Phase 4 Rain Gardens
  - Phase 4 Project Area
  - Phase 3 Project Area
  - Phase 2 Project Area
  - Phase 1 Project Area
  - Parcel Boundary
  - Drainage Areas



## PHASE 1, 2, 3, AND 4 PROJECT AREAS PHASE 4 BMP LOCATIONS

Maplewood Mall Stormwater  
Retrofit Phases 1, 2, 3, & 4  
Ramsey-Washington Metro Watershed District  
Maplewood, MN

CONCEPTUAL DESIGN  
DATED MAY 19, 2011



**DRAFT**

